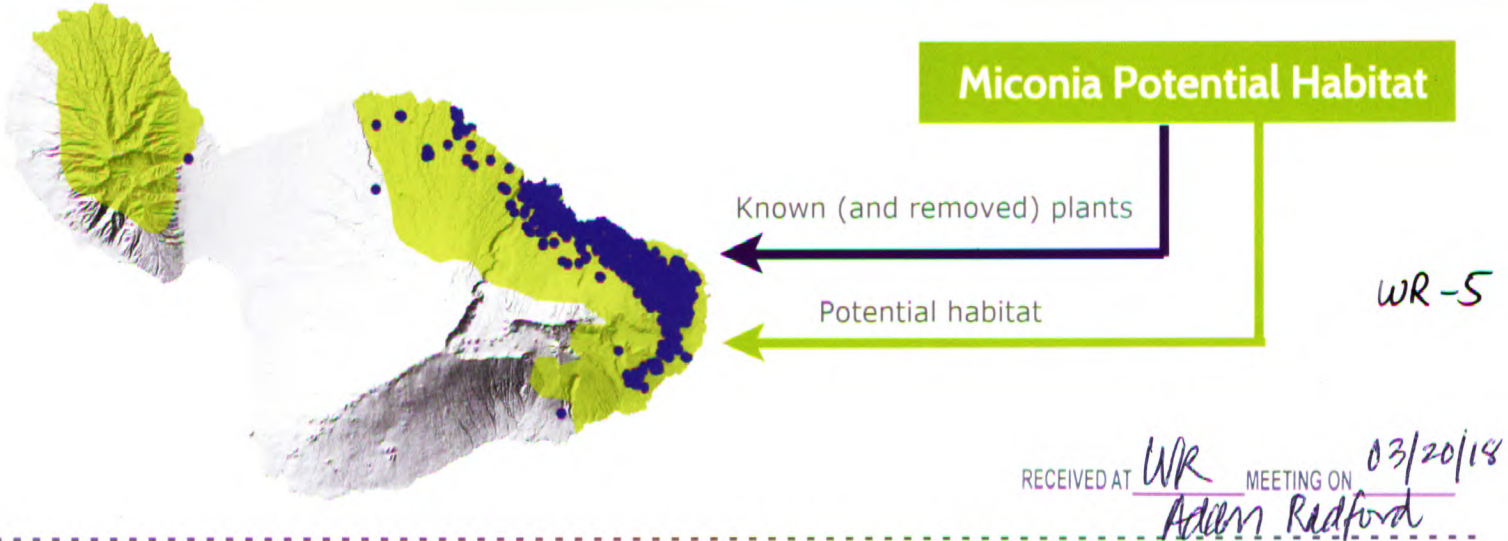


MISC Miconia Containment

Maui County Funding

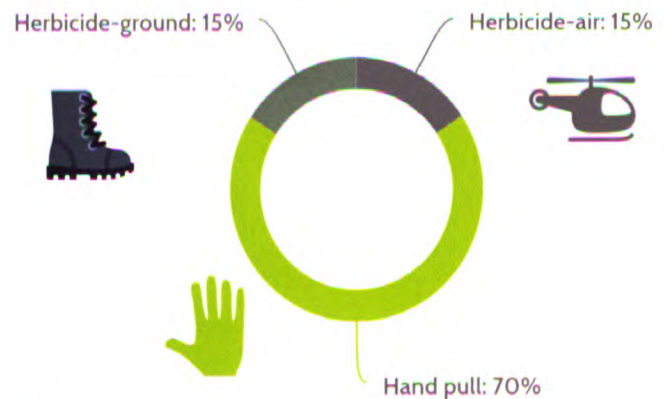


Herbicide Use Rate



For 2015-2017, MISC has used triclopyr at a fraction the allowable use rate.

Miconia Control Methods



For 2015-2017, 70% of the miconia plants controlled by MISC were hand-pulled (no herbicide).

Return on Investment

In their 2007 paper, Burnett et al. analyzed the cost of controlling miconia versus damages from the plant if no control occurred. They found:

"The returns to control grow in present value over time...**10:1** by year 40."

"If all damages occurred [ground water recharge, sedimentation, loss of biodiversity], then, the total damages would range from **\$273.9m to \$488.4m** with an estimated average of \$377.4 million per year [statewide]."-2007, Kaiser et al.



"Based on the biological features, one mature miconia plant can impact up to 2,100 acres of forested watershed with hundreds to thousands of seedlings germinating randomly over several